

In the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1 1. (Currently Amended) An image sensing apparatus comprising:
 - 2 a solid-state image sensing device having an electronic shutter to convert light from an object into an image signal;
 - 3 a mechanical shutter, provided between the object and the solid-state image sensing device, to expose the solid-state image sensing device to the light for a first exposure period and a second exposure period that directly follows the first exposure period, the first and the second periods being the same length in time;
 - 4 a shift mechanism to change a relative positional relationship between a passage of the light that has passed the mechanical shutter and incident to the solid-state image sensing device and the solid-state image sensing device for a period from a moment in the first exposure period to another moment in the second exposure period, the shift mechanism including an optical low-pass filter that rotates between two predetermined positions to change the relative positional relationship, wherein the optical low-pass filter starts to rotate at a moment within the first exposure period and stops at another moment within the second exposure period, a period for which the optical low-pass filter rotates in the first exposure period and another period for which the optical low-pass filter rotates in the second exposure period being equal to each other; and
 - 5 a processor to combine image signals converted for the first and the second exposure periods to generate a composite image signal,
 - 6 wherein the mechanical or the electronic shutter is switched from a closed state to an opened state to start the first exposure period and the mechanical shutter is switched from the opened state to the closed state to finish the second exposure period.

1 2. (Canceled).

1 3. (Canceled).

1 4. (Currently Amended) A method of image sensing using a solid-state
2 image sensing device having an electronic shutter for converting light
3 from an object into an image signal, the method comprising the steps of:

4 exposing the solid-state image sensing device via a mechanical
5 shutter to the light for a first exposure period and a second exposure
6 period that directly follows the first exposure period, the first and the
7 second periods being the same length in time;

8 switching the mechanical or the electronic shutter from a closed
9 state to an opened state to start the first exposure period;

10 switching the mechanical shutter from the opened state to the
11 closed state to finish the second exposure period;

12 changing a relative positional relationship between a passage of
13 the light incident to the solid-state image sensing device and the solid-
14 state image sensing device for a period from a moment in the first
15 exposure period to another moment in the second exposure period; and

16 starting to rotate an optical low-pass filter at a moment within the
17 first exposure period and stopping the optical low-pass filter at another
18 moment within the second exposure period between two predetermined
19 positions to change the relative positional relationship, a period for which
20 the optical low-pass filter rotates in the first exposure period and another
21 period for which the optical low-pass filter rotates in the second exposure
22 period being equal to each other; and

23 combining image signals converted for the first and the second
24 exposure periods to generate a composite image signal.

1 5. (Canceled).

1 6. (Canceled).